

CODING FORMS FOR SRC INDEXING

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		TSCA Section	FYI
Submitting Organization	ETHYL CORP		
Contractor			
Document Title	INITIAL SUBMISSION: MATERIAL SAFETY DATA SHEET ON HEPTABROMODIPHENYL OXIDE, OCTABROMODIPHENYL OXIDE AND NONABROMODIPHENYL OXIDE, DATED 8/21/87		
Chemical Category	BROMINATED DIPHENYL ETHER		

**Ethyl**Chemicals  
Group

742-0794-000950

**MATERIAL SAFETY DATA SHEET**

Emergency Phone 504-344-7147

FYI-94-000950  
INIT 07/26/94

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**PRODUCT  
IDENTIFICATION**

84940000050

**TRADE NAME:**

Saytex® 111 Flame Retardant

**CHEMICAL NAME:**Heptabromodiphenyl oxide;  
Octabromodiphenyl oxide;  
Nonabromodiphenyl oxide**CHEMICAL FAMILY:**

Brominated diphenyl ether

**CHEMICAL FORMULA:** $C_{12}H_3Br_7O$ ;  $C_{12}H_2Br_8O$ ;  
 $C_{12}HBr_9O$ .**CAS NO.:**

Mixture - see below.

THIS MATERIAL IS IN COMPLIANCE WITH THE TOXIC  
SUBSTANCES CONTROL ACT (15 USC 2601 - 2629).RECEIVED  
OCT 1 1994  
94 JUL 26 PM 3:57**SUMMARY  
OF  
HAZARDS**

See "Chronic Effects of Overexposure."

	<u>COMPONENT NAME</u>	<u>CAS NO.</u>	<u>EXPOSURE LIMIT</u>
HAZARDOUS COMPONENTS	Heptabromodiphenyl oxide <sup>NL</sup>	68928-80-3	Not established by OSHA/ACGIH.
	Octabromodiphenyl oxide <sup>NL</sup>	32536-52-0	
	Nonabromodiphenyl oxide <sup>NL</sup>	63936-56-1	

Carcinogenicity listing of the above indicated by:  
@ = NTP; # = IARC; & = OSHA; \* = Other; NL = Not Listed.**CHEMICAL  
AND  
PHYSICAL  
PROPERTIES****APPEARANCE/ODOR:**Off-white powder/faint ether  
odor.**MELTING POINT:**

70 - 150°C/158 - 302°F (range).

**VAPOR PRESSURE:**

Less than 0.1 mm Hg @ 20°C/ 68°F.

08/21/87  
Continued**Ethyl Corporation - Chemicals Group**Ethyl Tower 451 Florida Blvd., Baton Rouge, LA 70801  
REPRESENTING ETHYL FOREIGN SALES CORPORATION FOR EXPORT SALES

TRADE NAME: Saytex® 111

SOLUBILITY IN WATER: Less than 0.1%

SPECIFIC GRAVITY: 2.6

FIRE  
AND  
EXPLOSION  
HAZARDS

FLASH POINT (METHOD): Not applicable - solid.

FLAMMABLE LIMITS: Not applicable.

EXTINGUISHING MEDIA: Dry chemical, water spray  
(fog), foam or carbon dioxide.HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:  
Include hydrogen bromide and  
oxides of carbon.SPECIAL FIRE FIGHTING PROCEDURES:  
High temperatures may liberate  
toxic gases. Do not breathe  
smoke or fumes.UNUSUAL FIRE AND EXPLOSION HAZARDS:  
None.REACTIVITY  
DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Temperatures greater than  
232°C/450°F.

MATERIALS TO AVOID: Strong oxidizing agents.

HAZARDOUS POLYMERIZATION:  
Will not occur.HEALTH  
HAZARDS

## CHRONIC EFFECTS OF OVEREXPOSURE:

Saytex 111 has been shown to  
cause developmental effects in  
rats. Literature data indicate  
that long term exposure causes  
liver, kidney, and thyroid  
effects in the laboratory  
animal (rat).08/21/87  
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TRADE NAME: Saytex® 111

TOXICITY DATA: ORAL LD<sub>50</sub> (Rat) = Greater than 5000 mg/kg.  
DERMAL LD<sub>50</sub> (Rabbit) = Greater than 2000 mg/kg.

EMERGENCY FIRST AID PROCEDURES	INHALATION:	Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.
	EYE CONTACT:	Begin immediate eye irrigation with cool water.
	SKIN CONTACT:	Wash contaminated area with soap and water. Wash clothing before reuse.
	INGESTION:	Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Get medical attention.

EXPOSURE CONTROL INFORMATION	EXPOSURE LIMITS:	Not established by OSHA or ACGIH.
	EYE PROTECTION:	Safety glasses with side shields under normal circumstances.
	PROTECTIVE GLOVES:	Resistant to chemical penetration.
	RESPIRATORY PROTECTION:	Use a NIOSH approved dust respirator if any exposure is likely.
	MECHANICAL VENTILATION:	Recommended.
	LOCAL VENTILATION:	At source of dusting.

08/21/87  
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TRADE NAME: Saytex® 111

OTHER:

If skin contact or contamination of clothing is likely, protective clothing should be worn. Contaminated clothing should be washed before reuse.

ENVIRONMENTAL  
PROTECTION

SPILLS OR LEAKS:

Sweep or shovel spills into appropriate container for disposal.

DISPOSAL METHODS:

Under the CERCLA/RCRA regulations in effect December 29, 1986, this product is not regulated as a hazardous waste or material. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state, and federal regulations. However, we strongly recommend disposal of this product in a chemically secure landfill.

STORAGE REQUIREMENT:

Store in dry, well ventilated area away from heat.

REVISED: 08/21/87

SUPERSEDES: 02/24/86

MSDS prepared by: Toxicology and Industrial Hygiene Department  
Ethyl Corporation

FOR ADDITIONAL NONEMERGENCY MSDS INFORMATION, CONTACT:  
TOXICOLOGY AND INDUSTRIAL HYGIENE DEPARTMENT  
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451 FLORIDA ST.  
BATON ROUGE, LA 70801  
(504) 388-7717

THIS MATERIAL SAFETY DATA SHEET CONTAINS AT LEAST  
THE INFORMATION REQUIRED BY THE FEDERAL OSHA HAZARD  
COMMUNICATION RULE, 29 CFR 1910.1200(g)(2).

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